

MCU-MAXI Controller PRO

The MCU-Maxi Controller PRO is "All in One" ruggedized Tactical Mobile Controller / GCS (Ground Control Station) designed to support drones and robotics operation with variety of payloads. It offers various controlling options to support mission critical operations, serving enterprise & governmental sectors within unmanned applications.

MCU-Maxi Controller PRO is designed to the highest standards to meet targeted applications prone to severe conditions and complex needs. It enables real-time HD video and broadband data content transmission by multiple users simultaneously.

MCU- Maxi Controller PRO Key Features:

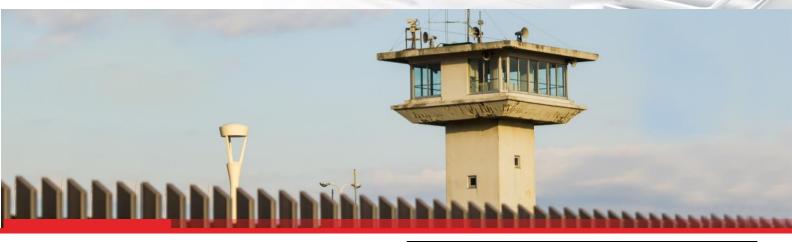
- Built to enable mission-critical operations
- All in One Unified, with multiple elements
 - Toughpad multi-touch Tablet
 - Transceiver unit Mobilicom, Skyhopper
 - Encrypted & secured device (optional)
 - Battery
 - Power supply & Antenna
- Customized transceiver unit, joysticks, buttons, sliders, switches & toggles
- Dual antenna & GPS location base services
- 3rd party communication units can be connected (optional)



Product Highlights:

- Light & Compact
- IP 65: All-weather / Dust and Water-Resistant Design
- 10" Panasonic Toughpad Tablet
- Configurable multiple joysticks, buttons, sliders,toggles, switch and a fail-safe guard
- Daylight readable
- User-replaceable battery in field
- I/O interfaces to peripherals

Making Impossible Mission Critical Communications Possible



Tablet Specifications	
Туре	10" Toughpad FZ-G1 Panasonic
CPU	Intel core I5
User interface	Windows 10 Professional Linux, Android (optional)
Display	10" WXGA 1920 x 1200
Complied with all Windows based controlling software Linux & Android – optional	

	Radio & Modem Specifications MCU-MAXI Controller PRO is Compatible with all MCU and Skyhopper units	
	Network Topologies	Point-to-Point
		Point-to-Multipoint
ļ		Relay, Mesh (optional)
	Modes of Operation	Broadcast, Multicast, Unicast
		Multiple users
	Sensitivity	Max – 101dBm
	Diversity support	MIMO 2x2 Tx & Rx diversity
	Transmission	OFDM, TDD
	Technology	
	Encryption	AES128, AES256 and other options are
		also available for purchase (custom
		export control may apply)
	Frequencies	2.4GHz (ISM)
	/	900 MHz & 5.8GHz (ISM)- optional
	/	Other frequencies available
	Range	According to MCU and Skyhopper
	/	product spec
	Throughput	According to MCU and Skyhopper
		product spec
	3 rd party Radio	Optional

Dimensions (H x W x D)		
	24 X 43 X 3.5 cm	9.4 X 16.9 X 1.3"

Weight	
3.13kg	6.9 pound

Power	
External	12-19V DC
Battery	Li-ion

Environmental	
Grade	Extended Ruggedized
Operating Temperature	Operating -20 to 50°C
	Storage -50 to 85°C
Humidity	5 to 95% non-condensing
Casing	All-weather IP65 Dust and
	Water-resistant

Interfaces	
External Interface	USB 3.0 and USB 2.0, Ethernet *
Human Interface	2 joysticks, 5 buttons including a fail-safe button, 3 sliders, 2 toggles User configurable
Ethernet (*)	supported
Antenna Connector	3xSMA: 2xRF, 1xGPS

Configuration & Management	
Unit Monitoring Application	Web-Based Application
Program Interface	API